

College of Science and Mathematics

Department:
Major Program:

MATHEMATICS & STATISTICS
B.A. MATHEMATICS

| Quarters | Hours |
|--|------------|
| I. General Education Required Substitutions: Area I: MTH229,230 (counted in dept requirements) Area VI: Choose one from list | 52 |
| II. Departmental Core Requirements MTH229, 230, 231, 232, 233, 255, 280, 355, 431, 440, 451, 471, 492 STT360, 361 MTH432 or 452 | 55 |
| III. Departmental Requirements and Electives <i>Elective:</i> MTH233, 306, 314, 332, 333, 381, 407, 410, 415, 419, 432, 433, 452, 456, 457, 458, 480, 481, 482 STT461, 462, 466, 467 | 9 |
| IV. Related Course Requirements CS 141 and either CS142 or 240, or equivalent 27 hrs (at least 8 hrs in one dept) in depts belonging to neither CoSM nor CECS; one additional course in CoSM or CECS but outside of MTH/STT dept. These are in addition to those needed to fulfill GE requirements. | 38 |
| V. General Electives Foreign language study is recommended | 29 |
| Total | 183 |

| Semesters | Hours |
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| I. General Education Required Substitutions: MTH2300 (Calc I) (counted in dept requirements) | 35 |
| II. Departmental Core Requirements MTH2300,2310,2320 (Calc I,II,III) <i>either</i> MTH2330 (DE) <i>or</i> MTH2350 (DE/Matrix) MTH2530 (Elementary Linear Algebra) MTH2800 (Intro Math Proof) MTH4310 (Real Analysis I) MTH4510 (Algebra I) | 27 |
| III. Departmental Requirements and Electives Five department-approved elective courses, including at least two at the 4000 level | 15 |
| IV. Related Course Requirements CS1410 (Intro Programming) or CEG2200 (C for Engineers & Scientists) or equivalent 18 hours in departments belonging to neither COSM nor CECS, and two courses in COSM or CECS but outside of Mathematics and Statistics. These are in addition to those needed for fulfill General Education requirements. | 27 |
| V. General Electives Foreign language study is recommended | 16 |
| Total | 120 |